



WHS
Sixth Form

Woodrush Sixth Form – Excellence Through Endeavour

A Level Design and Technology: Product Design



Overview

- This is an exciting course which teaches students the fundamental skills and knowledge to achieve within Product Design.
- Students are given set tasks from the exam board in year 12 and must work to find solutions to the problems and contexts. This involves lots of practical work and problem solving. Students work independently to create practical outcomes and a portfolio of design.
- In Year 13 students are given the opportunity to come up with their own context and brief to work to. This allows students to create a wide range of exciting products.
- Students will study a vast range of skills such as woodwork, metalwork, plastic forming, electronics, CAD and CAM and various construction skills.

Requirements

Students are required to have achieved at least a grade 5 at GCSE in a Technology based subject.

Assessment

50% Examination and 50% Coursework (Draft Proposals)

Component 1- Examination: Design and Technology in the 21st Century Written examination: 2.5 hours

The examination includes a mix of short answer, structured and extended writing questions assessing learners' knowledge and understanding of: technical principles, designing and making principles along with their ability to: analyse and evaluate design decisions and wider issues in design and technology.

Component 2 - Coursework: Design and make task Non-exam assessment: approximately 40 hours

A sustained design and make task, based on a contextual challenge set by WJEC, assessing candidates' ability to: • identify, investigate and outline design possibilities • design and make prototypes • analyse and evaluate design decisions and outcomes, including for prototypes made by themselves.

Exam Board



<https://www.eduqas.co.uk/media/kcldpvixc/a-level-design-and-technology-specification.pdf>

Progression and Career Opportunities

This course will open doors to a wide range of careers. It will allow students to go on to study at University and to access apprenticeships. This A level is well suited for students that wish to go on to careers in areas such as Product Design, Automotive Design, Architecture, Graphics, Architecture, Teaching and Engineering.